

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P695236

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3427 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

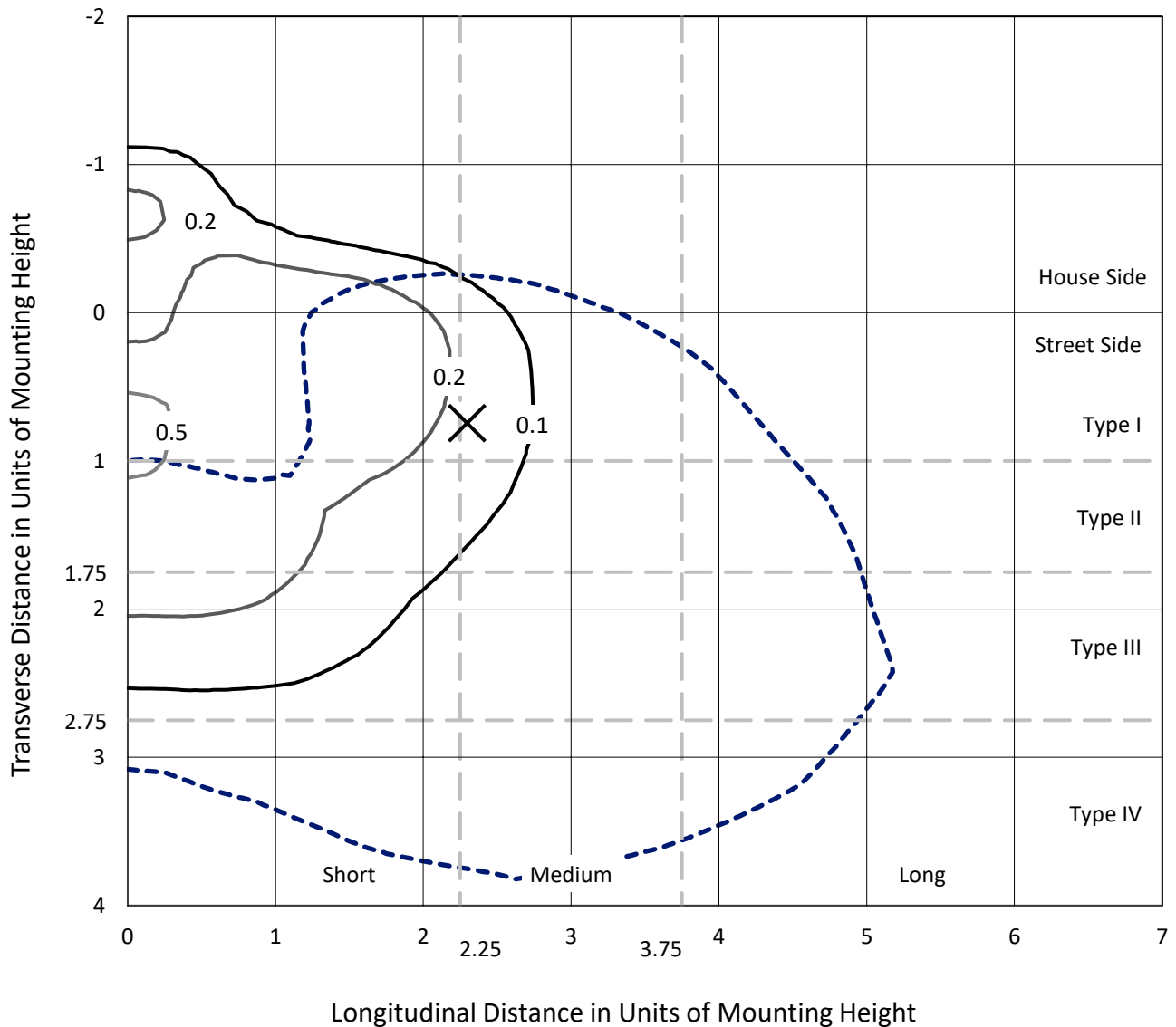
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

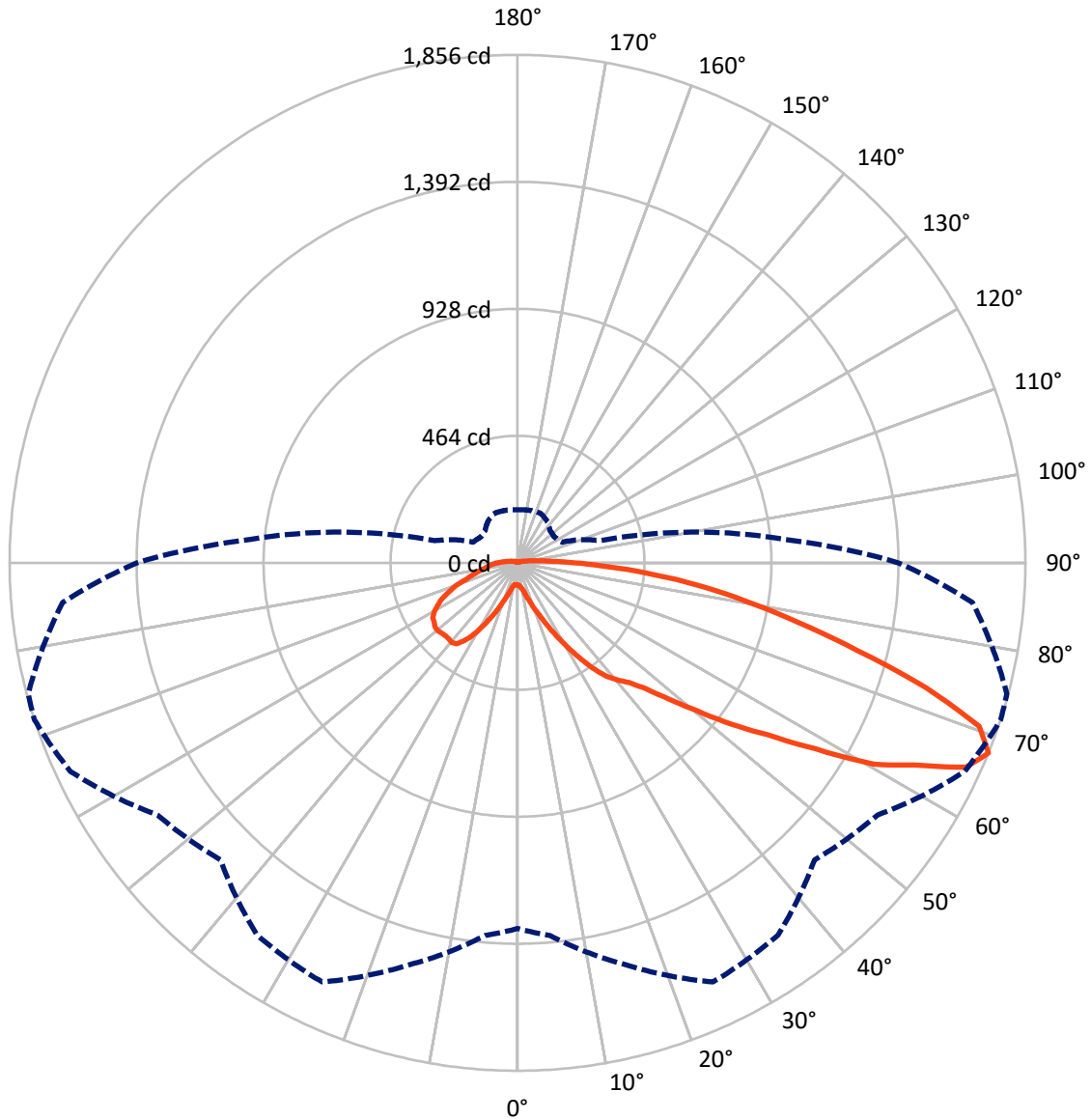
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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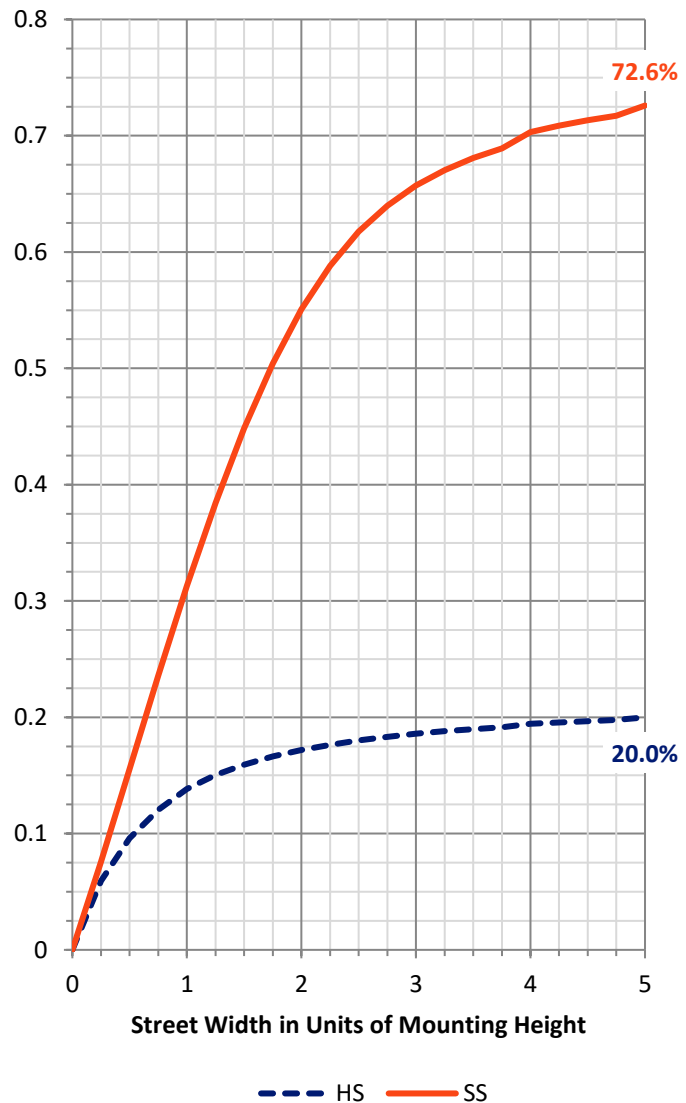
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	723.3	62.2	785.5
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	2575.3	66.2	2641.6
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	3298.6	128.4	3427.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	0.2
10°-20°	35.5	1.0
20°-30°	107.6	3.1
30°-40°	242.1	7.1
40°-50°	388.7	11.3
50°-60°	630.0	18.4
60°-70°	918.8	26.8
70°-80°	688.8	20.1
80°-90°	278.9	8.1
90°-100°	77.4	2.3
100°-110°	25.4	0.7
110°-120°	11.7	0.3
120°-130°	7.1	0.2
130°-140°	4.5	0.1
140°-150°	2.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3298.6	96.3
0°-180°	3427.0	100.0

**Coefficient of Utilization**

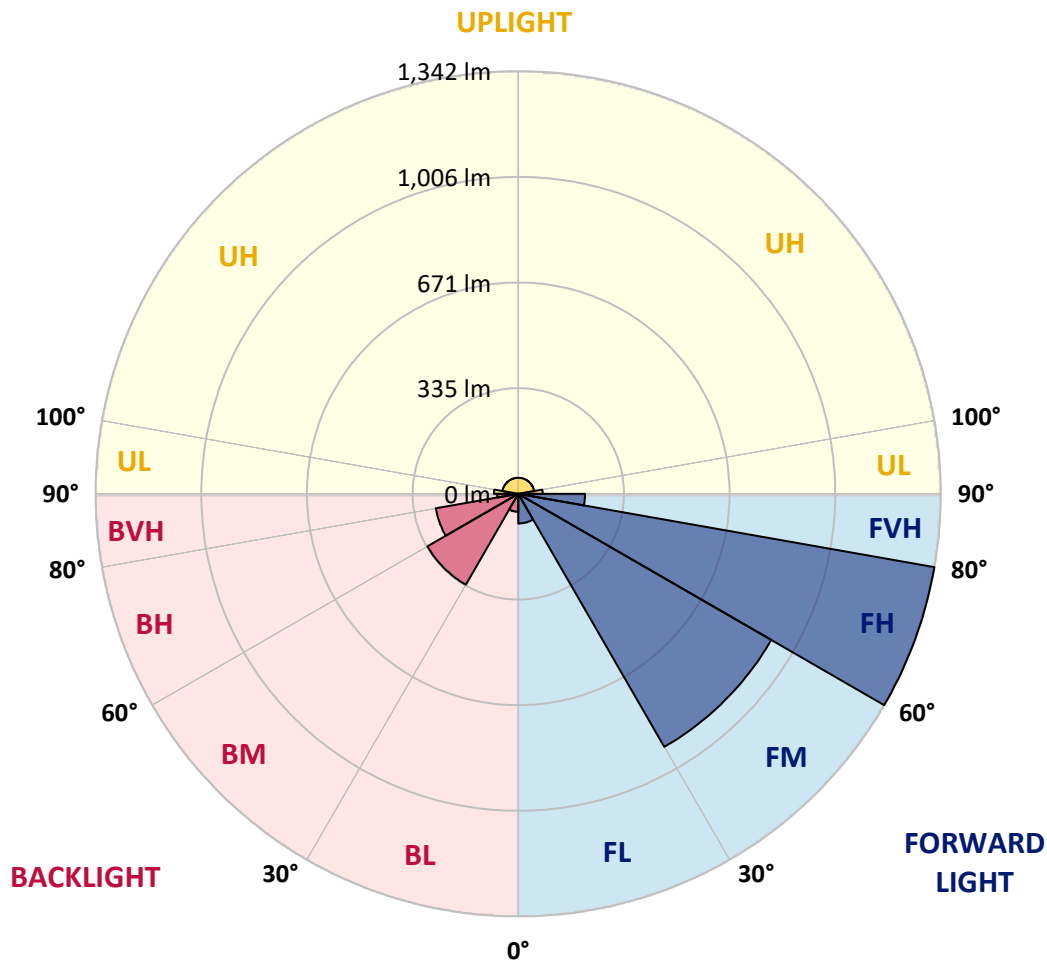


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.2	2.7			
FM (30°-60°)	927.7	27.1			
FH (60°-80°)	1341.7	39.2			G1/1800
FVH (80°-90°)	211.7	6.2			G2/225
BL (0°-30°)	57.1	1.7	B0/110		
BM (30°-60°)	333.1	9.7	B1/1000		
BH (60°-80°)	266.0	7.8	B1/500		G1/500
BVH (80°-90°)	67.1	2.0			G1/100
UL (90°-100°)	77.4	2.3		U3/500	
UH (100°-180°)	51.0	1.5		U3/500	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2.5°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	83.8	82.5	82.5	81.3
5°	92.4	92.4	92.4	92.4	92.4	91.1	88.7	87.4	86.2	85.0	83.8
7.5°	103.5	102.2	102.2	101.0	99.8	98.5	96.1	93.6	91.1	89.9	87.4
10°	117.0	117.0	115.8	113.3	112.1	107.2	104.7	101.0	98.5	97.3	93.6
12.5°	141.6	139.2	137.9	134.3	128.1	121.9	117.0	113.3	110.9	110.9	105.9
15°	170.0	168.7	166.3	156.4	149.0	140.4	134.3	131.8	130.6	128.1	124.4
17.5°	204.5	204.5	199.5	186.0	173.7	165.0	157.7	154.0	152.7	152.7	149.0
20°	248.8	248.8	238.9	219.2	204.5	193.4	184.8	179.8	179.8	178.6	176.1
22.5°	300.5	303.0	288.2	262.3	237.7	221.7	211.8	210.6	210.6	215.5	213.1
25°	360.9	360.9	342.4	309.2	280.8	252.5	245.1	250.0	253.7	258.7	259.9
27.5°	438.5	436.0	405.2	363.3	319.0	288.2	279.6	289.4	300.5	304.2	311.6
30°	527.2	523.5	485.3	426.2	365.8	320.2	316.5	335.0	354.7	358.4	368.3
32.5°	602.3	604.8	561.6	496.4	413.8	359.7	356.0	385.5	410.2	418.8	437.2
35°	693.4	694.7	642.9	560.4	460.7	396.6	395.4	436.0	471.7	482.8	502.5
37.5°	731.6	739.0	699.6	615.8	507.5	436.0	433.6	484.1	524.7	537.0	559.2
40°	771.0	776.0	735.3	656.5	545.6	470.5	471.7	525.9	562.9	577.7	590.0
42.5°	852.3	854.8	799.4	699.6	577.7	506.2	507.5	556.7	598.6	617.1	639.2
45°	925.0	936.1	881.9	767.3	620.8	537.0	539.5	607.2	654.0	679.9	707.0
47.5°	1028.5	1028.5	984.1	857.3	684.8	578.9	592.4	678.7	742.7	764.9	804.3
50°	1120.8	1122.1	1088.8	954.6	756.3	636.8	661.4	768.6	849.9	875.7	928.7
52.5°	1197.2	1198.4	1175.0	1066.6	853.6	713.1	741.5	888.0	979.2	1011.2	1058.0
55°	1292.0	1285.9	1271.1	1178.7	964.4	811.7	853.6	1014.9	1109.7	1152.9	1209.5
57.5°	1393.0	1385.6	1391.8	1300.7	1091.3	933.6	976.7	1150.4	1282.2	1337.6	1402.9
60°	1448.5	1450.9	1497.7	1460.8	1245.2	1085.1	1133.1	1357.3	1494.0	1537.1	1551.9
62.5°	1475.6	1478.0	1558.1	1582.7	1427.5	1244.0	1311.7	1528.5	1627.1	1681.2	1670.2
65°	1468.2	1478.0	1606.1	1673.9	1580.3	1415.2	1487.9	1689.9	1800.7	1829.1	1742.8
67.5°	1336.4	1367.2	1519.9	1689.9	1660.3	1534.7	1606.1	1803.2	1856.1	1851.2	1668.9
70°	1131.9	1140.5	1324.1	1570.4	1636.9	1529.8	1617.2	1779.8	1789.6	1763.8	1505.1
72.5°	870.8	891.7	1058.0	1325.3	1474.3	1420.1	1494.0	1622.1	1561.8	1496.5	1214.4
75°	639.2	630.6	769.8	1029.7	1220.6	1228.0	1300.7	1375.8	1285.9	1232.9	991.5
77.5°	433.6	454.5	554.3	762.4	959.5	1026.0	1098.7	1108.5	1049.4	1006.3	758.7
80°	296.8	300.5	375.7	556.7	748.9	842.5	906.5	928.7	843.7	794.4	572.7
82.5°	170.0	173.7	237.7	400.3	587.5	695.9	761.2	755.0	657.7	608.5	397.8
85°	94.8	96.1	137.9	247.6	442.2	556.7	613.4	564.1	466.8	421.2	261.1
87.5°	56.7	59.1	82.5	158.9	300.5	431.1	459.4	392.9	301.8	268.5	172.4
90°	35.7	38.2	50.5	93.6	193.4	303.0	311.6	247.6	187.2	168.7	117.0
92.5°	23.4	24.6	33.3	57.9	119.5	190.9	199.5	149.0	115.8	103.5	80.1
95°	18.5	18.5	23.4	39.4	73.9	112.1	120.7	89.9	75.1	67.7	55.4
97.5°	14.8	14.8	18.5	28.3	50.5	70.2	72.7	59.1	50.5	49.3	41.9
100°	12.3	13.5	16.0	22.2	35.7	46.8	46.8	40.6	37.0	37.0	33.3
102.5°	11.1	11.1	13.5	18.5	28.3	35.7	34.5	30.8	28.3	28.3	27.1
105°	11.1	9.9	12.3	14.8	22.2	27.1	25.9	23.4	22.2	20.9	20.9
107.5°	9.9	8.6	9.9	12.3	18.5	22.2	20.9	18.5	17.2	16.0	17.2
110°	8.6	8.6	8.6	11.1	14.8	18.5	17.2	14.8	13.5	13.5	13.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.4	7.4	7.4	9.9	12.3	14.8	14.8	12.3	11.1	9.9	11.1
115°	7.4	7.4	7.4	8.6	11.1	13.5	12.3	9.9	8.6	8.6	9.9
117.5°	6.2	6.2	6.2	8.6	9.9	11.1	11.1	8.6	7.4	7.4	8.6
120°	6.2	6.2	6.2	7.4	9.9	9.9	9.9	7.4	7.4	7.4	8.6
122.5°	6.2	6.2	6.2	7.4	8.6	9.9	8.6	7.4	6.2	6.2	7.4
125°	6.2	6.2	6.2	7.4	8.6	8.6	7.4	6.2	6.2	6.2	7.4
127.5°	6.2	6.2	6.2	7.4	7.4	7.4	7.4	6.2	6.2	6.2	7.4
130°	6.2	6.2	6.2	6.2	7.4	7.4	6.2	6.2	6.2	6.2	6.2
132.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.9	6.2	6.2	6.2
135°	6.2	6.2	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9	6.2
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.2
140°	4.9	4.9	4.9	4.9	4.9	4.9	3.7	3.7	3.7	3.7	4.9
142.5°	4.9	4.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7
147.5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2.5°	81.3	81.3	80.1	78.8	78.8	78.8	78.8	78.8	77.6	77.6	77.6
5°	82.5	81.3	80.1	78.8	77.6	76.4	75.1	75.1	73.9	73.9	73.9
7.5°	86.2	85.0	81.3	78.8	76.4	75.1	73.9	72.7	71.4	70.2	70.2
10°	92.4	89.9	85.0	81.3	77.6	75.1	72.7	71.4	70.2	70.2	69.0
12.5°	103.5	101.0	93.6	87.4	81.3	77.6	73.9	72.7	72.7	72.7	73.9
15°	121.9	118.2	108.4	99.8	89.9	82.5	80.1	81.3	82.5	83.8	83.8
17.5°	145.3	140.4	129.3	114.5	101.0	92.4	91.1	92.4	94.8	97.3	97.3
20°	172.4	166.3	149.0	131.8	114.5	107.2	103.5	105.9	109.6	114.5	113.3
22.5°	210.6	200.8	179.8	151.5	131.8	121.9	117.0	120.7	128.1	133.0	133.0
25°	253.7	241.4	214.3	176.1	149.0	134.3	131.8	137.9	151.5	158.9	158.9
27.5°	303.0	288.2	251.3	202.0	167.5	147.8	145.3	158.9	176.1	189.7	188.4
30°	360.9	343.6	295.6	229.1	184.8	158.9	161.4	179.8	203.2	219.2	219.2
32.5°	427.4	400.3	338.7	258.7	198.3	168.7	173.7	198.3	226.6	242.6	245.1
35°	490.2	458.2	374.4	280.8	209.4	177.4	183.5	215.5	248.8	268.5	268.5
37.5°	544.4	509.9	402.8	295.6	214.3	182.3	192.1	229.1	261.1	280.8	280.8
40°	570.3	529.6	411.4	298.1	215.5	184.8	197.1	235.3	266.0	282.1	280.8
42.5°	617.1	562.9	412.6	284.5	211.8	186.0	199.5	232.8	256.2	263.6	262.3
45°	679.9	609.7	418.8	272.2	203.2	183.5	197.1	224.2	237.7	238.9	236.5
47.5°	761.2	677.4	427.4	261.1	195.8	179.8	190.9	211.8	219.2	215.5	214.3
50°	873.3	755.0	439.7	248.8	190.9	173.7	184.8	203.2	208.2	200.8	199.5
52.5°	982.9	832.6	444.6	236.5	186.0	170.0	181.1	199.5	200.8	188.4	187.2
55°	1115.9	916.4	438.5	222.9	183.5	168.7	181.1	197.1	192.1	179.8	177.4
57.5°	1282.2	1023.5	437.2	210.6	178.6	168.7	182.3	194.6	190.9	182.3	181.1
60°	1385.6	1069.1	417.5	203.2	174.9	171.2	184.8	198.3	193.4	183.5	182.3
62.5°	1459.5	1088.8	388.0	194.6	172.4	171.2	188.4	199.5	192.1	184.8	183.5
65°	1480.5	1069.1	357.2	186.0	168.7	171.2	189.7	198.3	194.6	189.7	189.7
67.5°	1391.8	980.4	312.8	178.6	163.8	167.5	187.2	199.5	197.1	194.6	193.4
70°	1230.5	854.8	272.2	168.7	155.2	161.4	183.5	199.5	199.5	198.3	198.3
72.5°	981.7	660.2	219.2	157.7	145.3	154.0	178.6	195.8	194.6	193.4	192.1
75°	787.0	521.0	186.0	142.9	135.5	144.1	171.2	188.4	186.0	186.0	184.8
77.5°	592.4	394.1	157.7	129.3	123.2	135.5	160.1	176.1	174.9	173.7	171.2
80°	428.6	291.9	134.3	117.0	113.3	124.4	146.6	160.1	160.1	160.1	158.9
82.5°	310.4	215.5	117.0	105.9	103.5	113.3	131.8	142.9	147.8	151.5	149.0
85°	204.5	151.5	103.5	96.1	96.1	104.7	119.5	129.3	136.7	140.4	139.2
87.5°	139.2	115.8	91.1	85.0	87.4	96.1	109.6	117.0	123.2	126.9	125.6
90°	98.5	89.9	77.6	72.7	75.1	86.2	98.5	104.7	107.2	108.4	107.2
92.5°	70.2	66.5	61.6	59.1	62.8	75.1	86.2	88.7	88.7	87.4	85.0
95°	53.0	50.5	49.3	46.8	51.7	62.8	71.4	71.4	71.4	67.7	67.7
97.5°	40.6	40.6	40.6	38.2	41.9	50.5	56.7	55.4	55.4	53.0	53.0
100°	33.3	33.3	33.3	32.0	34.5	40.6	43.1	43.1	44.3	43.1	43.1
102.5°	27.1	27.1	27.1	27.1	28.3	33.3	35.7	34.5	35.7	35.7	35.7
105°	22.2	22.2	23.4	22.2	24.6	28.3	28.3	28.3	29.6	27.1	28.3
107.5°	17.2	18.5	18.5	18.5	20.9	23.4	24.6	23.4	23.4	22.2	22.2
110°	14.8	16.0	16.0	16.0	17.2	19.7	20.9	19.7	18.5	18.5	18.5

REPORT NUMBER: P695236  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.3	13.5	13.5	13.5	14.8	17.2	17.2	16.0	14.8	14.8	14.8
115°	11.1	11.1	12.3	12.3	13.5	14.8	14.8	13.5	12.3	13.5	13.5
117.5°	9.9	9.9	11.1	11.1	11.1	12.3	12.3	11.1	11.1	12.3	12.3
120°	8.6	9.9	9.9	9.9	9.9	11.1	11.1	9.9	9.9	11.1	11.1
122.5°	8.6	8.6	8.6	8.6	9.9	9.9	9.9	8.6	8.6	9.9	9.9
125°	7.4	8.6	8.6	8.6	8.6	8.6	8.6	7.4	8.6	8.6	9.9
127.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	8.6	8.6
130°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.2	7.4	7.4	7.4
132.5°	7.4	7.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.4	7.4
135°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.4	7.4
137.5°	6.2	6.2	4.9	4.9	4.9	4.9	4.9	4.9	6.2	6.2	6.2
140°	4.9	4.9	4.9	3.7	3.7	3.7	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9
145°	3.7	3.7	3.7	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)